



African Digital Schools Initiative (ADSI) Tanzania

Backdrop

- According to Vision 2025, objectives: Tanzania is working towards achieving quality and good life for all, good governance and the rule of law and building a good and resilient economy that can effectively withstand global competition.
- Tanzania's youth present a potentially pivotal group for innovation, dynamism and creativity.

What is required now at Secondary Education level?

The Government of Tanzania recognizes the potential for the use of ICT to improve access to, quality and relevance in its education provision. Now the critical need is to focus on building student competencies in:

- Science, Technology, English and Mathematics (STEM)
- Skills to innovate, create and work in teams
- Skills for higher order thinking, analysis and synthesis
- Developing an entrepreneurial mentality to exploit the business and self-employment opportunities that the digital world already presents

A new concept – the Digital School of Distinction

The African Digital Schools Initiative (ADSI) is a totally new methodology to turn secondary schools into digital schools of distinction. It is designed specifically to build secondary - level student 21st century skills and teachers' innovative practice in a way that is responsive to the needs of the market place and to the emerging knowledge economies and societies.

What is the ADSI approach?

The ADSI model is a phased approach for digital whole school and teacher development in ICT use to incrementally move schools and teachers towards transformative educational practice and quality student learning outcomes. The blended learning model of school-based and online professional development is furthermore a cost-effective and sustainable model for educational transformation

Outcomes of the ADSI Programme (2016-2020) in Tanzania

STEM Teacher ICT Development	School-wide Teacher ICT Development	Digital Schools Development
<p>3 cycles of blended learning to support teacher professional learning pathways - from</p> <ul style="list-style-type: none"> • 'technology literacy' to • 'knowledge deepening' to • 'knowledge creation' integration of ICT 	<p>9 core and enrichment modules for STEM teachers</p> <p>9 core and enrichment modules for teachers of other subjects</p>	<p>3 cycles of blended learning with school strategy and planning toolkits to support digital school pathways from</p> <ul style="list-style-type: none"> • 'e-enabling' to • 'e-mature' to • 'e-confident' integration of ICT
<p>Professional Development</p> <p>40 school heads trained 400 STEM teachers trained Up to 20,000 STEM students enriched</p>		<p>Additional Outreach</p> <p>40 Schools Boards and PTAs 800 teachers of other subjects Up to 40,000 students of other subjects</p>

GESCI in partnership with THE MASTERCARD FOUNDATION and the Ministry of Education and Vocational Training, Tanzania wish to embark on the five year *African Digital Schools Initiative (ADSI)* initiative (2016-2020). This is a comprehensive multi-year programme to implement a dynamic, effective, sustainable and replicable model of digital whole-school development in secondary schools that will lead to improved student 21st century skills development, learning outcomes and readiness for the knowledge economy workplace.

The Global E-Schools and Communities initiative (GESCI), founded by the UN, has worked since its inception in 2004 to provide capacity building, technical and strategic advice to countries seeking to harness the potential of ICTs in order to increase access to, and to improve the quality and effectiveness of education. Based in Nairobi, GESCI works with 16 African governments delivering *Leadership Development in ICT and Knowledge Society Development* programmes across all ministries

GESCI

Unga House. Muthithi Road, Westlands P. O. Box 66380 - 00800,
Nairobi, Kenya Tel: (+254) 20 3746060/1/2